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		Application Number	10/618,043
		Filing Date	July 11, 2003
		First Named Inventor	Serati, Steve
		Art Unit	
		Examiner Name	Not yet known
Total Number of Pages in This Submission		Attorney Docket Number	040131-000100US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard, copies of nineteen (19) cited references
Remarks: The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP	
	Patrick M. Boucher	Reg. No. 44,037
Signature	<i>Patrick M. Boucher</i>	
Date	2003 October 30	

CERTIFICATE OF TRANSMISSION/MAILING

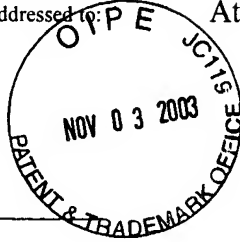
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Nicole M. Wartell		
Signature	<i>Nicole M. Wartell</i>	Date	10/30/03

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PATENT
Attorney Docket No.: 040131-000100US

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On Oct 30, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: Nicole M. Wartell
Nicole M. Wartell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steve Serati et al.

Application No.: 10/618,043

Filed: July 11, 2003

For: NONMECHANICAL
WAVELENGTH-INDEPENDENT
BEAM STEERER

Examiner: Not yet known

Art Unit:

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. U.S. patents are not enclosed in accordance with the Patent Office waiver issued August 5, 2003 in the Official Gazette, which states as follows:

The Office hereby waives the requirement under 37 CFR 1.98

(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S.

patent application publication for all U.S. national patent

applications filed after June 30, 2003 and for all international

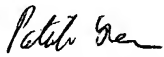
applications that have entered the national stage under 35 USC 371
after June 30, 2003. See 37 CFR 1.491(b).

In accordance with 37 CFR 1.98(a)(2), copies of the non-patent literature
references are enclosed. It is respectfully requested that the cited references be expressly
considered during the prosecution of this application, and the references be made of record
therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the
information and references cited are prior art merely because they are in this statement and no
representation is being made that a search has been conducted or that this statement encompasses
all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.
However, if a fee is required, the Commissioner is authorized to deduct such fee from the
undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit
any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Patrick M. Boucher
Reg. No. 44,037

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60072309 v1



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/618,043
		Filing Date	July 11, 2003
		First Named Inventor	Serati, Steve
		Art Unit	
Examiner Name	Not yet known		
Sheet 1 of 3	Attorney Docket Number	040131-000100US	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	A1	US-5,059,008	10-22-1991	Flood et al.	
	A2	US-5,825,523	10-20-1998	Amitai	
	A3	US-6,480,334	11-12-2002	Farn	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

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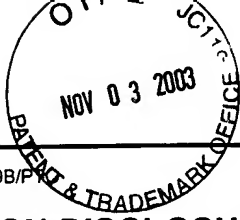
NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	A.F. FRAY and D. JONES "Large-angle beam deflector using liquid crystals," Electron. Lett., August 1975, pp. 358-359, Vol. 15, No. 16.	
	C2	J.U. WHITE "Very long optical paths in air," Journal of the Optical Society of America, May 1976, pp. 411-416, Vol. 66, No. 5.	
	C3	A. SASAKI AND T. ISHIBASHI, "Liquid-crystal light deflector," Electron. Lett., March 1979, pp. 293-294, Vol. 15, No. 10.	
	C4	W. GOLTSOS AND M. HOLTZ, "Agile beam steering using binary optics microlens arrays," Opt. Eng., Nov. 1990, pp. 1392-1397, vol. 11, no. 29.	
	C5	P. F. MCMANAMON, E. A. WATSON, T. A. DORSCHNER, AND L. J. BARNES, "Applications look at the use of liquid crystal writable gratings for steering passive radiation," Opt. Eng., Nov 1993, pp. 2657-2664, Vol. 32, No. 11.	
	C6	E. A. WATSON AND L. J. BARNES, "Optical design considerations for agile beam steering," SPIE Vol. 2120 Laser Beam Propagation and Control (1994), pp. 186-193.	
	C7	E. A. WATSON, P. F. MCMANAMON, L. J. BARNES, AND A. J. CARNEY, "Applications of dynamic gratings to broad spectral band beam steering," SPIE Vol. 2120 Laser Beam Propagation and Control (1994), pp. 178-185.	
	C8	R. M. MATIC, "Blazed phase liquid crystal beam steering," SPIE Vol. 2120 Laser Beam Propagation and Control (1994), pp. 194-205.	
	C9	B. L. ANDERSON, S. A. COLLINS, C. A. KLEIN, E. A. BEECHER AND S. B. BROWN, "Highly parallel optical true time delay device for phased array antennas," Proceedings of The Sixth Annual ARPA Symposium on Photonic Systems for Antenna Applications, Monterey CA. (March 7, 1996)	
	C10	P. F. MCMANAMON, ET. AL., "Optical Phased Array Technology," Proceedings of the IEEE, Feb 1996, pp. 268-298, Vol. 84, No. 2.	
	C11	L. J. FRIEDMAN, D. S. HOBBS, S. LIEBERMAN, D. L. CORKUM, H. Q. NGUYEN, D. P. RESLER, R. C. SHARP, AND T. A. DORSCHNER, "Spatially resolved phase imaging of a programmable liquid-crystal grating," Applied Optics, Nov. 1996, pp. 6236-6240, Vol. 35, No. 31.	
	C12	S. SERATI AND J. STOCKLEY, "Advanced Liquid Crystal on Silicon Optical Phase Arrays," 2002 IEEE Aerospace Conference - Paper 5.0301 (2002).	
	C13	P. F. MCMANAMON AND W. THOMPSON, "PAPA Array of Phased Arrays (PAPA) Laser Systems Architecture," 2002 IEEE Aerospace Conference - Paper 5.0601 (2002).	
	C14	E. A. WATSON AND L. J. BARNES, "Implementing Optical Phased Array Beam Steering with Cascaded Microlens Arrays," 2002 IEEE Aerospace Conference - Paper 5.0306 (2002).	
	C15	J. STIGWALL, "Optimization of a Spatial Light Modulator for Beam Steering and Tracking Applications," Thesis - Department of Physics and Measurement Technology, Linköping University (2002)	

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SignatureDate
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Sheet	3	of	3	Attorney Docket Number	040131-000100US

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C16	J. STOCKLEY AND S. SERATI, "Cascaded One-dimensional Liquid Crystal OPAs for Beam Steering in Two Dimensions," 2003 IEEE Aerospace Conference - Paper 5.0701 (2003).	
	C17	E. J. HAELLSTIG, J. STIGWALL, M. LINDGREN AND L. J. SJOQVIST, "Laser beam steering and tracking using a liquid crystal spatial light modulator," Proceedings of SPIE Vol. 5087 <i>Laser Systems Technology</i> (2003).	
	C18	S. R. HARRIS, "Numerical optimization of the performance of nematic liquid crystal optical phased arrays," Proceedings of SPIE Vol. 5162 <i>Advanced Wavefront Control: Methods, Devices, and Applications</i> (2003).	
	C19	S. R. HARRIS, "Polarization effects in nematic liquid crystal optical phased arrays," Proceedings of SPIE Vol. 5213 <i>Liquid Crystals VII</i> (2003).	

Examiner Signature		Date Considered	
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